



Project: Alaska Copper Works

Inspection Date: 2/22/19

Project No.: 18ACW1

Technician: David DuBois

System Performance:

Was system running during the inspection? ☐ Yes ☒ No

Flow Rates (gpm) Influent _____ Effluent _____ The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 26 Effluent 25 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 26 Effluent 25

Carbon Filter Pressures (Lead) Influent 20 Effluent 14 The carbon filters should be

Carbon Filter Pressures (Lag) Influent 11 Effluent 8 backflushed if differential pressure > 8 psi

Were the bag filters replaced? ☒ Yes ☐ No

Was the carbon backflushed? ☐ Yes ☒ No

Maintenance and Inspection Checklist:

| Task | Completed (Y/N) | Issues/Notes/Comments |
|----------------------------------|---|-----------------------|
| Walchem Controller Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Flow Meters Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Level Sensor Cleaning/Inspection | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Inspect System Plumbing | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Pumps Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| General Housekeeping | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Chemistry Level | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 1.5 drums onsite. |
| Safety Materials Inspected | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| pH Probe Inspection/Calibration | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |



Water Sampling:

Were water samples taken? ☐ Yes ☒ No

| | | | | | |
|------------------------|----|-------------|-----------|-----------|-----|
| Raw water: | pH | <u>8.24</u> | Turbidity | <u>66</u> | NTU |
| Bag Filter Influent | pH | <u>8.87</u> | Turbidity | <u>27</u> | NTU |
| Bag Filter Effluent | pH | <u>8.26</u> | Turbidity | <u>25</u> | NTU |
| Carbon Filter Influent | pH | <u>7.62</u> | Turbidity | <u>13</u> | NTU |
| Carbon Filter Effluent | pH | <u>7.03</u> | Turbidity | <u>9</u> | NTU |

Monthly Tasks:

Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: _____

Was Walchem data downloaded? ☐ Yes ☒ No

Were the tank sludge levels checked? ☒ Yes ☐ No

Sludge Depth (inches):

| | |
|---------------------|----------|
| Decant Tank: | <u>0</u> |
| Treatment tank: | <u>0</u> |
| Backflush tank: | <u>0</u> |
| Main lift station: | <u>-</u> |
| North lift station: | <u>-</u> |
| South lift station: | <u>-</u> |

Additional Comments, Recommendations and System Upsets:

David DuBois

Technician

Project Lead Tech

Title

2/22/19

Date

Submit